

In the Claims:

Please cancel Claims 2 and 3, without prejudice, and amend Claim 1 as indicated below. The status of all pending claims is as follows:

1. (Currently Amended) A method of forming a spacer of double glazing by using a multi-joint robot to which an applicator head for applying a spacer forming material is rotatably attached and by applying the spacer forming material from the applicator head while the applicator head is being moved by the ~~multi-joint~~multi-joint robot along a periphery of an upper surface of one glass plate, the ~~application~~applicator head having a discharge port for the spacer forming material, which is directed to one direction, the periphery of the glass plate having linear regions and corner regions which follow the linear regions, the method comprising the steps of:

discharging the spacer forming material from the discharge port of the applicator head in each linear region;

stopping the discharge of the spacer forming material from the discharge port of the applicator head in each corner region;

rotating the applicator head in each corner region to change the direction of the discharge port of the applicator head to a direction suitable for application in the next linear region which follows the corner region; and

re-starting the discharge of the spacer forming material from the discharge port of the applicator head in the next linear region, such that a continuous spacer is formed in the corner region and the linear regions adjacent thereto,

wherein the step of rotating the applicator head in each corner region further includes:

moving the applicator head which has reached the corner region from the linear region until the discharge port passes an intersection A, the intersection A being an intersection of application center lines in the linear regions and being located in each corner region; and

returning the discharge port to the application center line in the linear region that follows the corner region while the applicator head is being moved toward the linear region that follows the corner region; and

wherein the step of discharging the spacer forming material in each linear region is performed such that a movement speed of the applicator head is faster in the linear regions than in the corner regions, and the step of rotating the applicator head in each corner region is performed such that the movement speed of the applicator head is equal to or lower than a speed corresponding to a rotation speed of the applicator head.

2-3. (Cancelled)

4. (Previously Presented) The method of forming a spacer of double glazing according to claim 1, wherein the glass plate is rectangular in shape.

5. (Previously Presented) The method of forming a spacer of double glazing according to claim 1, wherein the spacer forming material is made of a thermoplastic material mixed with a drying agent.

6. (Previously Presented) The method of forming a spacer of double glazing according to claim 1, wherein the applicator head applies the spacer forming material and a sealing agent, and the spacer forming material and the sealing agent are discharged in a layered state from the discharge port of the applicator head.

7. (Previously Presented) The method of forming a spacer of double glazing according to claim 1, wherein the applicator head has the discharge port on one side thereof and while moving the applicator head in a moving direction, the discharge port faces backward with respect to the moving direction of the applicator head.